WHAT IS CLAIMED IS:

1. A method for controlling a mobile satellite tracking antenna system, the method comprising the steps of:

receiving satellite signals and sensing whether or not the satellite signals are intercepted;

performing a satellite signal automatic tracking mode when the received signals have a restorable level after rotating an antenna 360°, and comparing maximum variation of signal level measured through 360° rotation of the antenna with a room temperature noise signal level range when the received signals do not have a restorable level;

performing a satellite detection mode when the maximum variation of the measured signal level deviates from the room temperature noise signal level range, and stopping a rotation motor of the antenna from driving when the maximum variation of the measured signal level exists in the room temperature noise signal level range; and

driving the rotation motor of the antenna again when a predetermined time passes after the rotation of the antenna has been stopped, measuring signal levels while rotating the antenna 360°, and comparing the maximum variation of the measured signal level with the room temperature noise signal level range.

2. The method for controlling a mobile satellite tracking antenna system as claimed in claim 1, wherein the signal level is continuously measured even after the rotation motor of the antenna is stopped.

3. A method for controlling a satellite tracking system, the method comprising the steps of:

receiving satellite signals;

comparing a maximum variation of signal level measured through a 360° rotation of an antenna with a room temperature noise signal level range when the received signals do not have a restorable level; and

performing a satellite detection mode when the maximum variation of the measured signal level deviates from the room temperature noise signal level range.

4. The method of claim 3,further comprising stopping rotation of a motor of the antenna from driving when the maximum variation of the measured signal level exists in the room temperature noise signal level range.

5. The method of claim 3,further comprising, after said receiving, sensing whether or not the satellite signals are intercepted.

6. The method of claim 3,further comprising, after said receiving, performing a satellite signal automatic tracking mode when the received signals have a restorable level after rotating an antenna 360°.

7. The method of claim 3,further comprising rotating a motor of the antenna when a predetermined time passes after rotation of the antenna has been stopped.

8. The method of claim 7,further comprising measuring signal levels while rotating the antenna 360°.

9. The method of claim 8,further comprising comparing the maximum variation of the measured signal level with the room temperature noise signal level range.

10. The method of claim 3, wherein the signal level is continuously measured even after the rotation motor of the antenna is stopped.